Feb 11, 2004

Activities and progress since last Wenesday:

Meeting to discuss hardware options. (Beams-doc-1006 &Beams-doc-906)
•Many meetings to discuss DAQ software specifications. (Beams-doc-860)

•Discussion of latest BPM beam data and plans for new studies.
- Quadratic term of non-linear response consistant with actual beam displacement. Large change in directivity due to off-plane motion suspected to be due to large angle of beam propogation through the detector. Studies are planned to put beam through detector at different positions with minimal angle and also measure effect of beam at fixed position with different angles.

•EchoTek system at A1 now reports I & Q data for V and H pickups p and pbar. Info is datalogged.
•Have damper system data for last two shots.
•Bob Webber successfully measured turn-by-turn at injection and with kickers using EchoTek system at A1.
(Will present data Thursday Feb 12 at 1:30pm in Penthouse)
•Greg Vogel is ready to install TCLK signal on Feinman fiber. Waiting for down day. Will also begin work on TVBS injection event.
•Meeting to discuss new BLM plans. (Beams-doc-992)

- Hardware Status
EchoTek purchase order being modified to make it possible for competetive bidding process. First draft of BPM module specifications complete.
We are not anticipating significant changes to the EchoTek card firmware upon delivery. It should function very much like the Recyler modules.
We need to modify the cost estimate in the WBS to include short cable interconnections between the BPM cables, the transition modules, and the EchoTek modules. Also, it needs to include slot fillers for empty slots in the VME crate.
Starting a failure mode analysis to specify necessary diagnostice.
Starting to look at ways to time tag turn-by-turn data.

- DAC Software Status
See minutes from DAC SW meetings.

- Online Software Status
Work beginning on specifications document. Brian would like feedback on content and organization of the document.

- Offline Software Status
Work continues on analyzing beam data in the pickups to verify EchoTek phase information and stability of pbar position with changes in proton intensity.

Meetings are scheduled for Thursday Feb 12 at 1:30pm for Bob Webber to present turn-by-turn results and continue DAC SW specs, and Wednesday Feb 18 at 11:00am to present the EchoTek hardware.

Jim Steimel